

# Converting Colors

`RYB(252, 228, 230)`

Have a look what the booklet for RYB(252, 228, 230) contains.

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# Color

**R<sub>Y</sub>B(252, 228, 230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCE4E6
RGB	252, 228, 230
RGB Percent	99%, 89%, 90%
CMY	0.0118, 0.1059, 0.0980
CMYK	0.00, 0.10, 0.09, 0.01
HSL	355°, 80%, 94%
HSV	355°, 10%, 99%
XYZ	82.1712, 81.8954, 86.3394
YIQ	235.4040, 13.6620, 5.7100

# Conversions

## Conversions Part 2

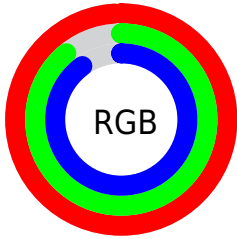
Format	Color
R <sub>Y</sub> B	252, 228, 230
Decimal	16573670
CIE Lab	92.53, 8.52, 2.00
CIE LCh	93, 8.754, 13.216
Yxy	81.8954, 0.3282, 0.3271
Android (android.graphics.Color)	4294763750 (0xFFFC E4E6)
YUV	235.4040, -2.6642, 14.5547
Hunter-Lab	90.4961, 3.7114, 6.7806

# Details

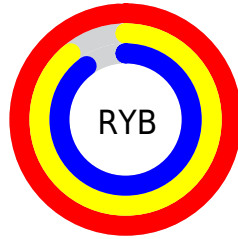
The RYB color **252, 228, 230** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **228, 241, 252**, and the grayscale version is **235, 235, 235**.

A 20% lighter version of the original color is 255, 255, 255, and **195, 173, 175** is the 20% darker color. If you saturate the color by 10%, you get **252, 203, 207**, and if you desaturate by 10%, it is 252, 253, 253.

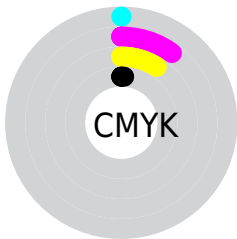
# Distribution



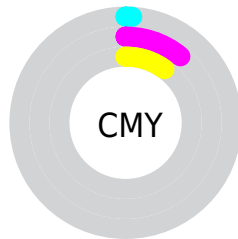
- Red (99%)
- Green (89%)
- Blue (90%)



- Red (99%)
- Yellow (89%)
- Blue (90%)



- Cyan (0%)
- Magenta (10%)
- Yellow (9%)
- Black (1%)



- Cyan (1%)
- Magenta (11%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 252, 228, 230 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 252, 228, 230 by changing the saturation by 10% instead.




 252, 228, 230

255, 255, 255

 252, 228, 230


 223, 200, 202

 195, 173, 175


 168, 146, 148

 141, 120, 122

 116, 96, 97

 91, 72, 74

 67, 49, 51

 45, 28, 30


 26, 2, 5

 252, 228, 230


 252, 228, 230


 252, 203, 207


 252, 253, 253

 252, 178, 184

 252, 254, 255

 252, 152, 161

 252, 127, 138

 252, 102, 114

 252, 77, 91

 252, 52, 68

 252, 26, 45

 252, 1, 22

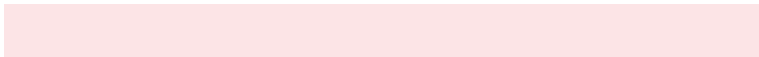
# Harmonies

## Analogous

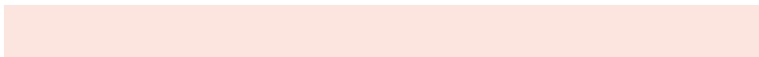
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



248, 228, 239



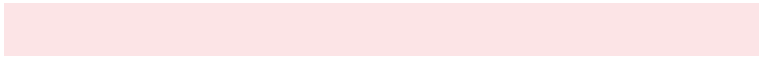
252, 228, 230



251, 231, 222

# Triad

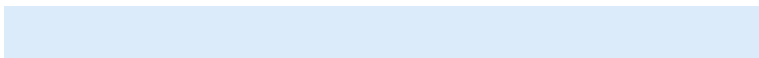
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



252, 228, 230



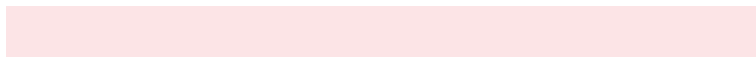
221, 237, 231



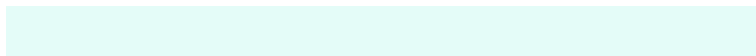
220, 230, 249

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



252, 228, 230



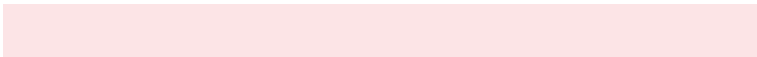
228, 241, 252

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



214, 228, 245



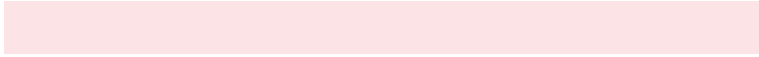
252, 228, 230



218, 231, 238

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



252, 228, 230



221, 237, 217



214, 227, 239



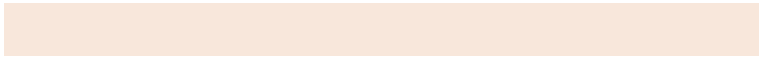
230, 233, 250

# Rectangle

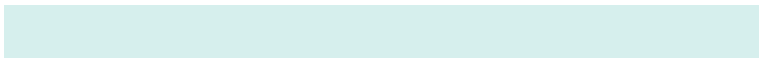
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



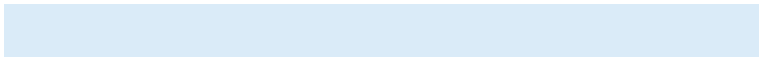
252, 228, 230



248, 239, 219



214, 227, 239



218, 229, 248



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



252, 228, 230



255, 247, 248



250, 228, 252



128, 122, 123



0, 0, 0



128, 128, 128

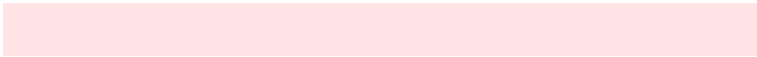


# Same Dimension

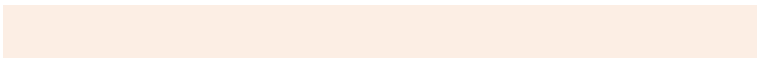
The Same Dimension uses a secret algorithm to generate beautiful new colors.



252, 228, 230



255, 227, 229



252, 245, 228



125, 112, 113



189, 0, 16

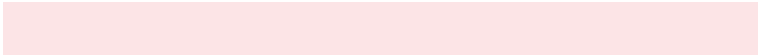


61, 0, 5



# Inverse Universe

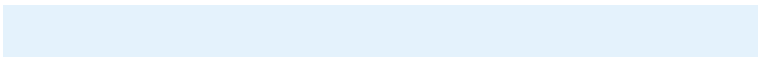
The Inverse Universe completely reimagines the original color for something new.



252, 228, 230



255, 227, 229



228, 237, 252



125, 112, 113



189, 0, 16

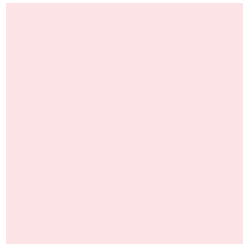


61, 0, 5



# Previews

## White Background



This preview shows how the RYB color 252, 228, 230 looks on a white background.

## Color Contrast Check

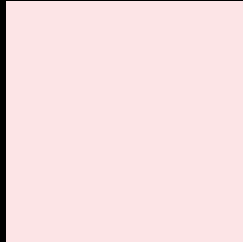
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RYB color 252, 228, 230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

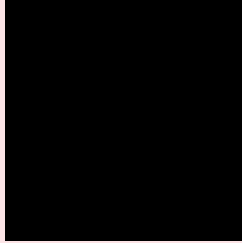
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

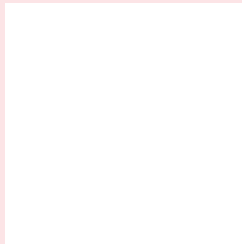
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 252, 228, 230 Background**



This preview shows how black text looks on a background with the RYB color 252, 228, 230.

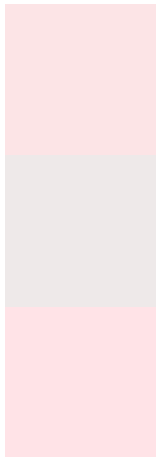


This preview shows how white text looks on a background with the RYB color 252, 228, 230.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
252, 228, 230

**Protanopia**  
238, 233, 233

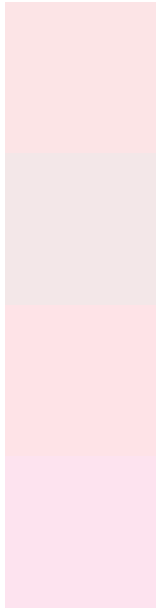
**Deuteranopia**  
255, 227, 231



# Tritanopia

254, 226, 244

# Trichromacy



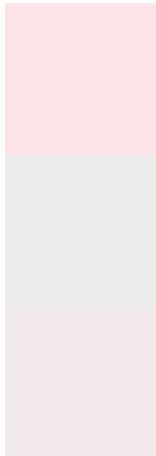
**Original Color**  
252, 228, 230

**Protanomaly**  
243, 231, 232

**Deuteranomaly**  
254, 227, 231

**Tritanomaly**  
253, 227, 239

# Monochromacy



**Original Color**  
252, 228, 230

**Achromatopsia**  
235, 235, 235

**Achromatomaly**  
241, 232, 233

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 252, 228, 230 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(252, 228, 230) looks like.

```
.text, #text, p{  
    color:rgb(252, 228, 230)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(252, 228, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 228, 230) }
```

## Border

The CSS property to change the border of an element to RYB 252, 228, 230 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(252, 228, 230) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(252, 228, 230) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(252, 228, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 228, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 228, 230);  
box-shadow:4px 4px 4px 4px rgb(252, 228,  
230) }
```

# Background

The CSS property to change the background color of an element to RYB 252, 228, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 228, 230) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(252,  
228, 230) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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